



Applicants: Ione A. Kourides and Graham K. Whitfield
 U.S. Serial No. 10/091,706
 Filing Date: March 5, 2002
 Title of the Invention: ISOLATION OF A GENE
 ENCODING HUMAN THYROTROPIN BETA
 SUBUNIT

Sheet 1 of 3

1/3

FIGURE 1

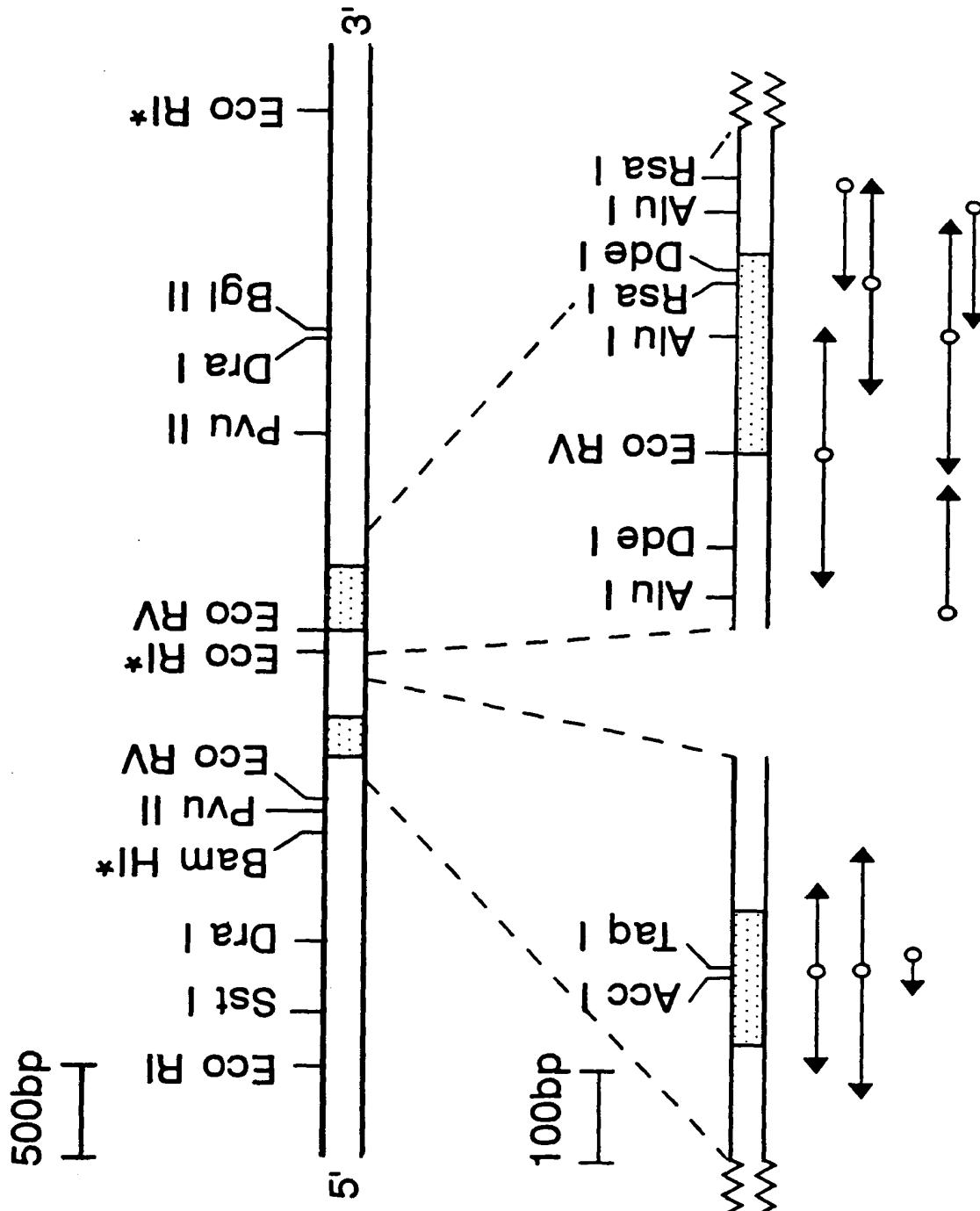




FIGURE 2

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Sheet 2 of 3

2/3

CTTTTCTGGTTCTGGCTTCTGATTTCACCAATAAGTTCTTGTATTGATTGTTGCT
 1
 leu ala cys gly glu ala met ser phe cys ile pro thr glu tyr thr met his
 CTT GCA TGT GGG CAA GCG ATG TCT TTT TGT ATT CCA ACT GAG TAT ACA ATG CAC ATC
 10
 20
 leu ala cys gly glu met ser phe cys ile glu arg glu cys ala tyr cys leu thr ile
 AAC ACC ACC ATC ATC TGT BCT GGA TAT ATG ACA CGG GAT GAG TGT TAT GCA GAA GAG TCC
 30
 40
 leu thr thr ile cys ala gly tyr cys met thr arg
 AAC ACC ACC ATC ATC TGT BCT GGA TAT ATG ACA CGG GAT GAG TGT TAT GCA GAA GAG TCC
 50
 60
 AGGAAATGAAATTAATCACAA
 70
 80
 ATTCAACGTGGTTAGTTGGAGATGGGGCTTAAGCAATTCTTCGCAGTTGTTGATGAGGGAAATAAGTGAATTATTTTATGTTCTATTATGTTCC
 90
 100
 TAAAGTCTCTTCACATTATGCTCTCTTCTGTTCCCGAG
 110
 120
 thr tyr arg sp phe ile tyr arg thr val glu ile pro gly cys pro leu his val ala pro tyr phe ser tyr
 ACA TAT AGA GAC TTC ATC TAC AGG ACT GAA GAA ATA CCA GCA TGC CCA CTC CAT GTC GCT CCC TAT CCT GTT GCT TTA AGC
 130
 140
 cys lys cys gly lys cys asp ser thr asp tyr ser ser asp cys ile his glu ala ile lys thr asp tyr cys thr lys pro
 TGT GAG TGT BGC AAG TGC AAT ACT GAC TAT AGT GAC TGC ATA CAT GAA GCA AAC TAC TGT ACC AAA CCT GCA GAG TCT TAT
 150
 160
 leu val gly phe ser val DC
 CTG GTC GAA TGT TCT TAA TATGTTATGTTGCTGAAATAAGGCTAATTTGTTGCTGAAATAAGGCTAATTTGTTGCTGAAATAAGGCTAATTTGAG